

Fig. 1

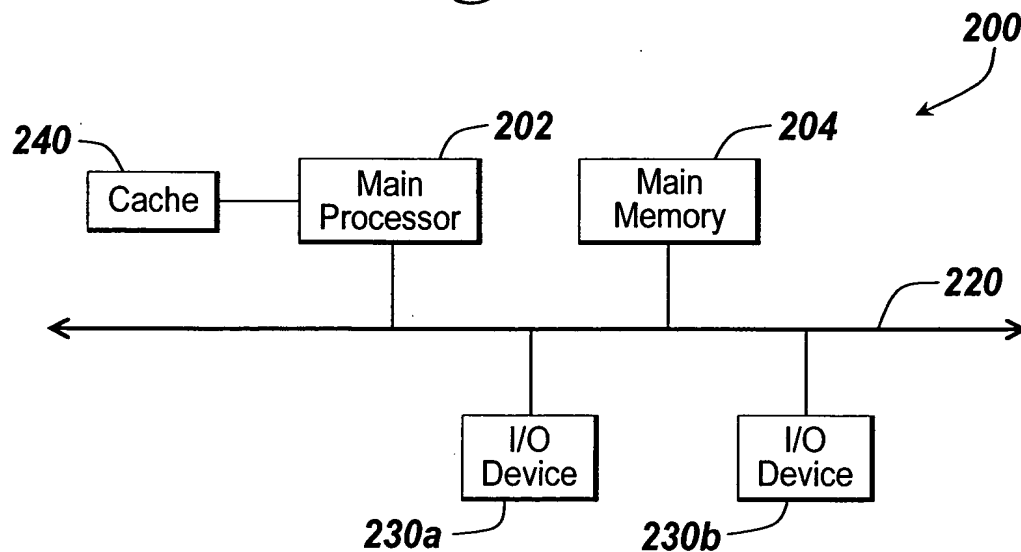


Fig. 2A

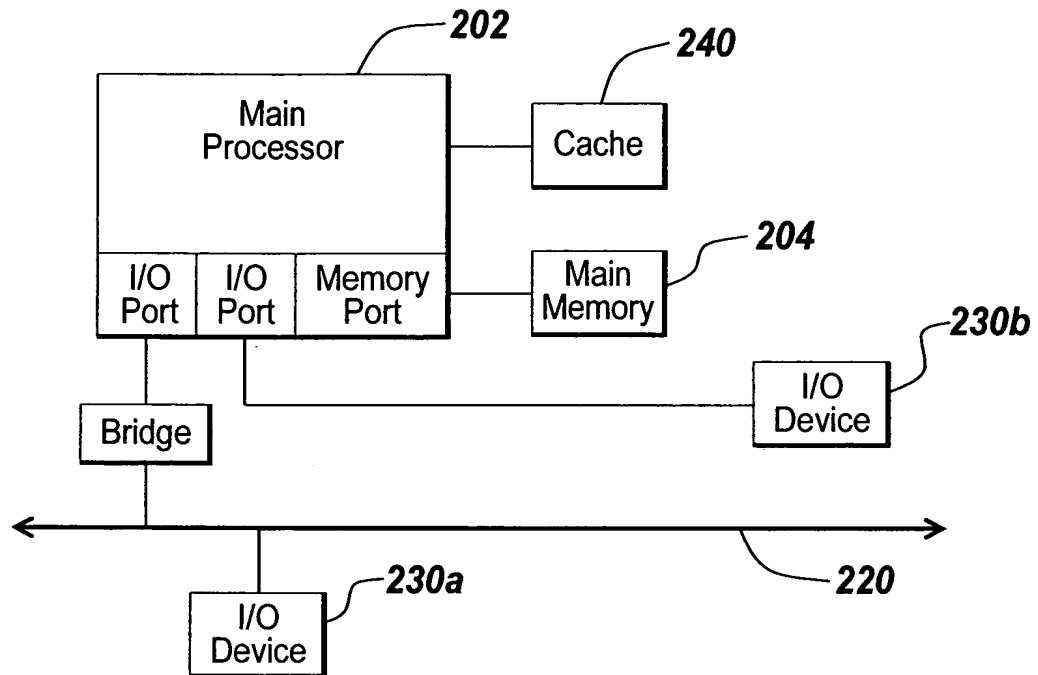


Fig. 2B

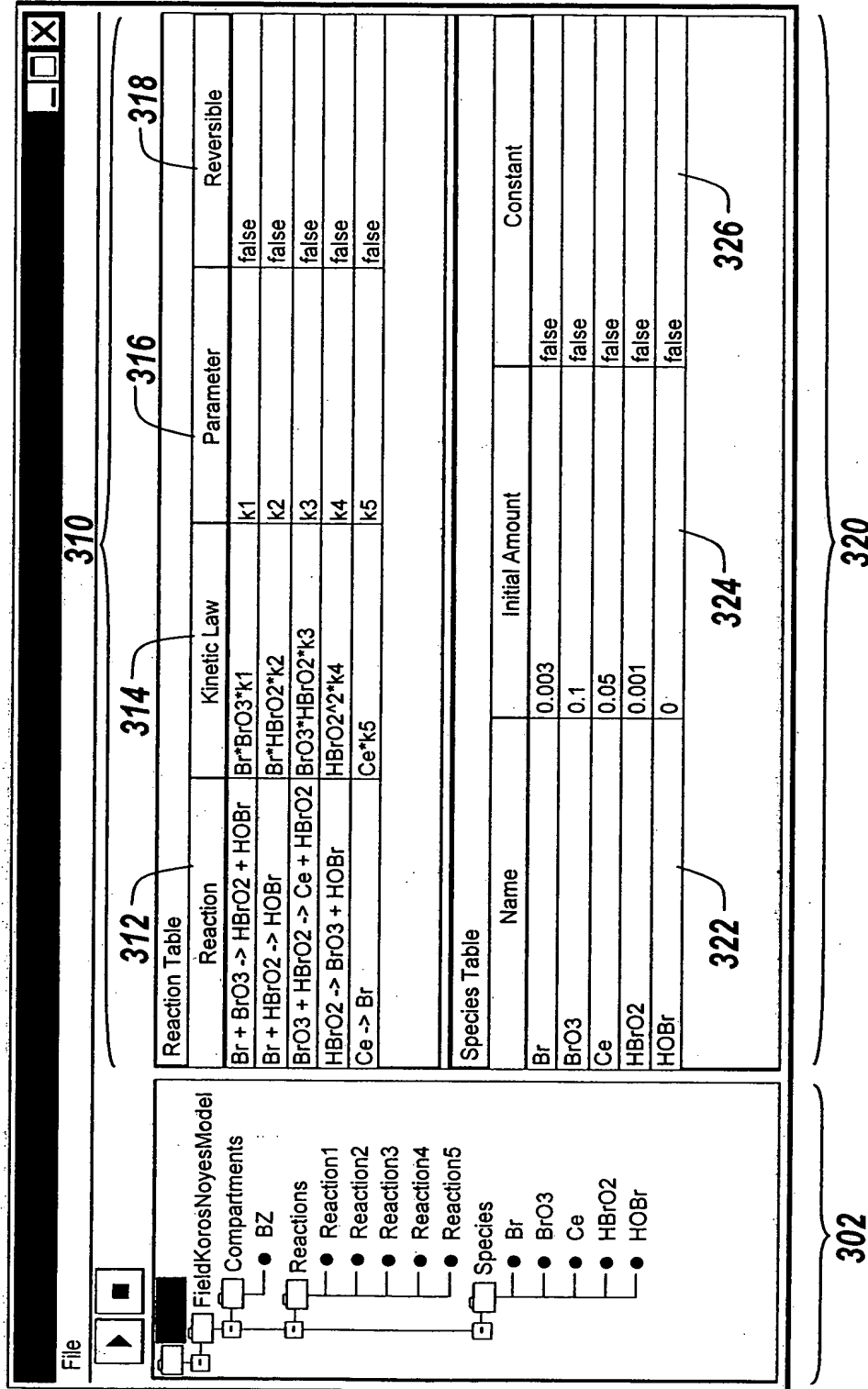


Fig. 3A

File Edit

heatshock
Reactions
Species
> DnaK
> FtsH
> HsiVU
> Pfolded
> Protease
> Punfoided
> Punfoided DnaK
> RNAP
> mRNA_DnaK
> mRNA_FtsH
> mRNA_HsiVU
> mRNA_Protease
> mRNA_s32
> null
> pg
> ph
> s32
> s70
> s32:DnaK
> s32:RNAP
> s32:RNAP:ph
> s70:RNAP
> s70:RNAP:pg

Reaction Table	Kinetic Law	Parameter	Reversible
s70 + RNAP -> s70:RNAP	Mass Action	K	true
pg + s70:RNAP -> s70:RN..	Mass Action	K	true
s70:RNAP:pg -> s70:RN..	Mass Action	K	true
mRNA_s32 -> null	Mass Action	K	false
mRNA_s32 -> s32	Mass Action	K	true
s32 -> null	Mass Action	K	false
s32 + RNAP -> s32:RNAP	Mass Action	K	true
ph + s32:RNAP -> s32:RN..	Mass Action	K	true
s32:RNAP:ph -> mRNA_DnaK	Mass Action	K	true
mRNA_DnaK -> null	Mass Action	K	false
mRNA_DnaK -> DnaK	Mass Action	K	true
DnaK -> null	Mass Action	K	false
s32 + DnaK -> s32:DnaK	Mass Action	K	true
Punfoided + DnaK -> Punfo...	Mass Action	K	true
Punfoided:DnaK + Pfolded ...	Mass Action	K	true
Pfolded -> Punfoided	Mass Action	K	true
s32:RNAP:ph -> mRNA_FtsH	Mass Action	K	true
mRNA_FtsH -> null	Mass Action	K	false
mRNA_FtsH -> FtsH	Mass Action	K	true
FtsH -> null	Mass Action	K	false
s32:RNAP:ph -> mRNA_HsiVU	Mass Action	K	true
mRNA_HsiVU -> null	Mass Action	K	false
mRNA_HsiVU -> HsiVU	Mass Action	K	true
HsiVU -> null	Mass Action	K	false
s32:RNAP:ph -> mRNA_Pro...	Mass Action	K	true

Species Table	Name	Initial Amount	Constant
DnaK		0	false
FtsH		0	false
HsiVU		0	false
Pfolded		17800	false
Protease		0	false
Punfoided		0	false
Punfoided:DnaK		0	false
RNAP		1337.6174	false
mRNA_DnaK		0	false
mRNA_FtsH		0	false
mRNA_HsiVU		0	false
mRNA_Protease		0	false
mRNA_s32		0	false
null		0	false

Fig. 3B

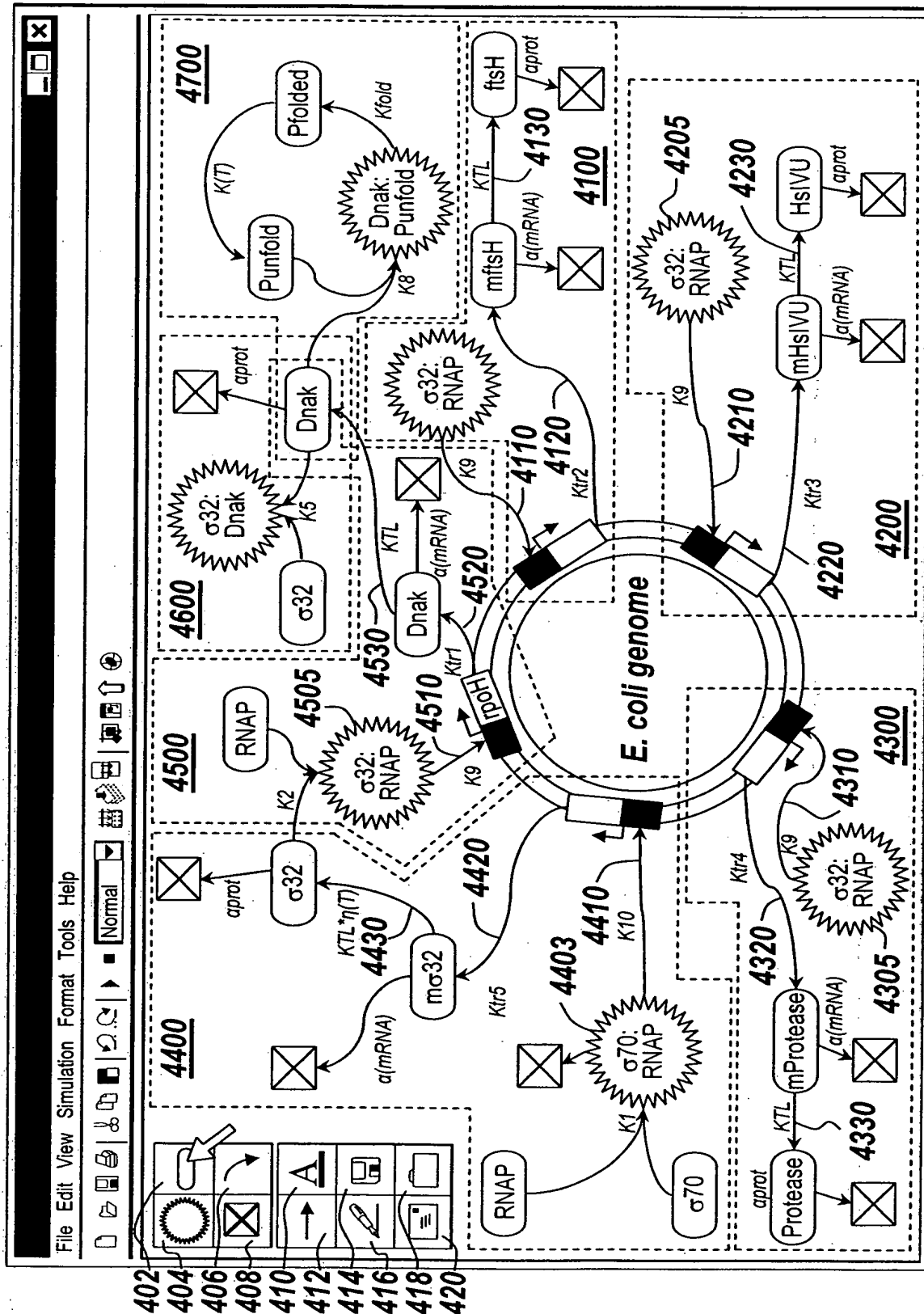
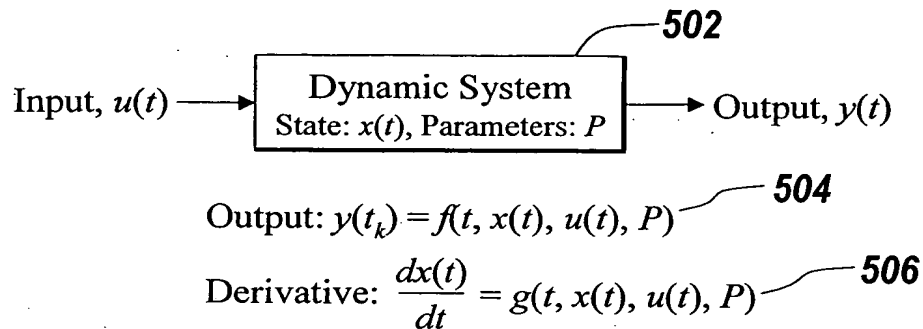
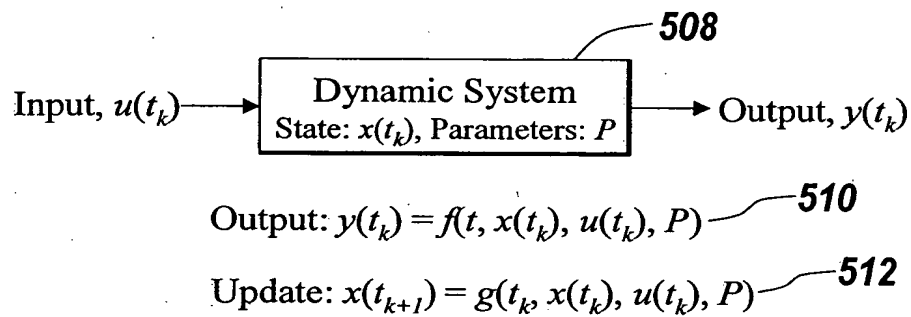
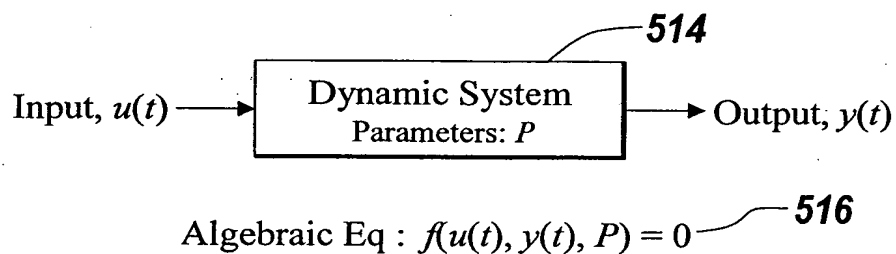
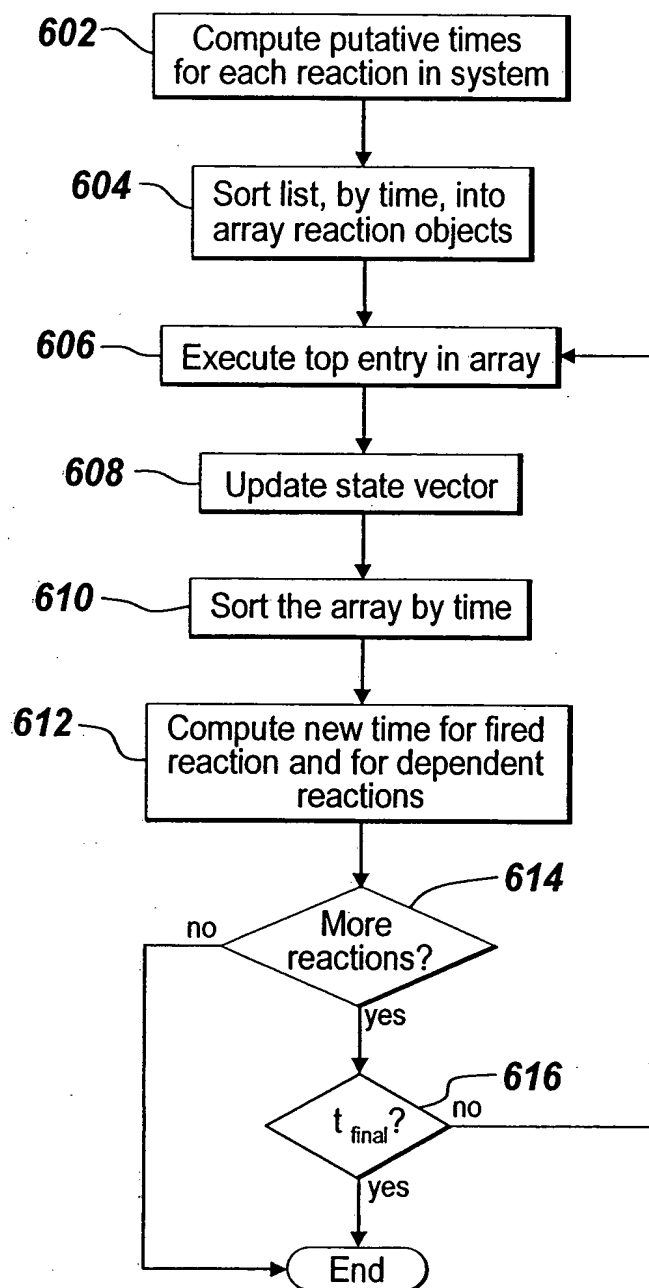


Fig. 4

*Fig. 5A**Fig. 5B**Fig. 5C*

*Fig. 6*

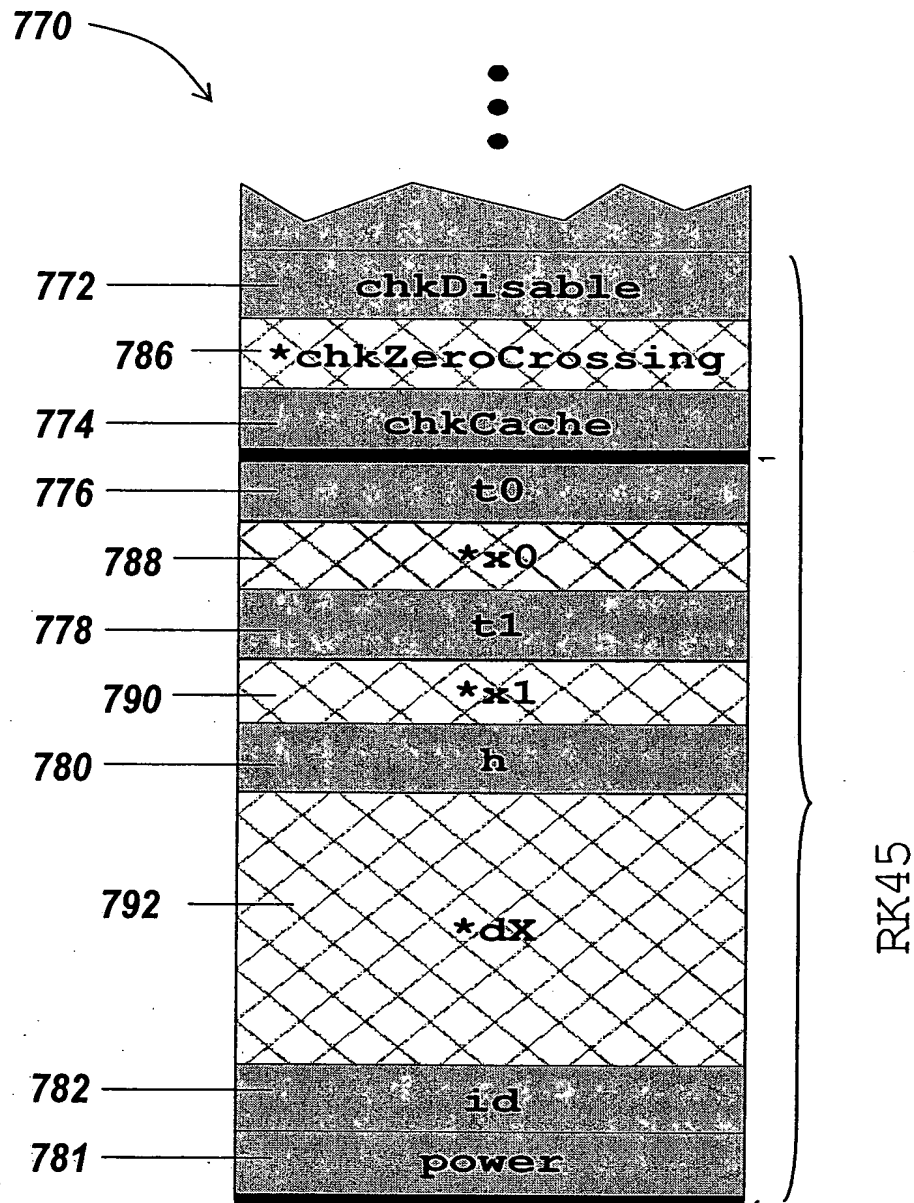


Fig. 7

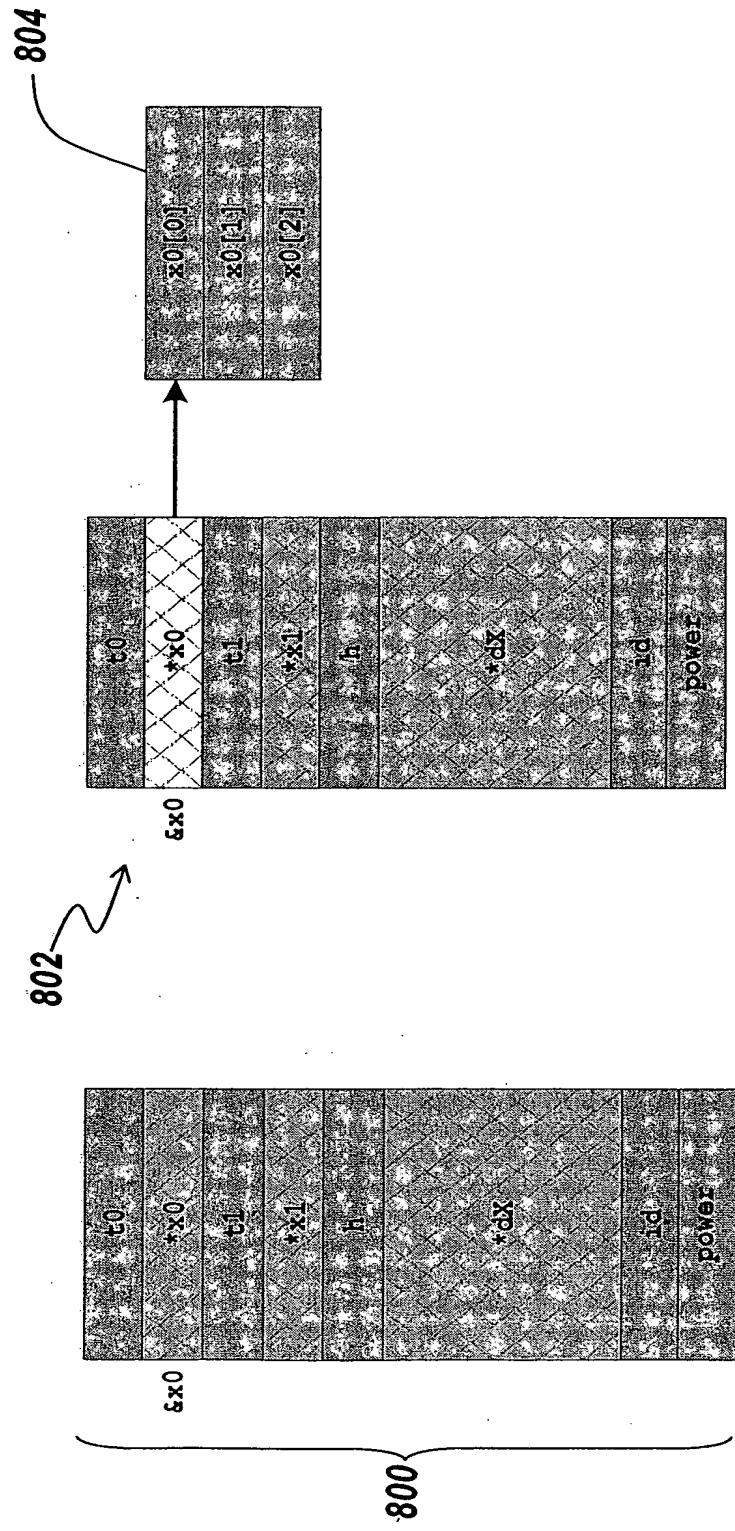


Fig. 8B

Fig. 8A

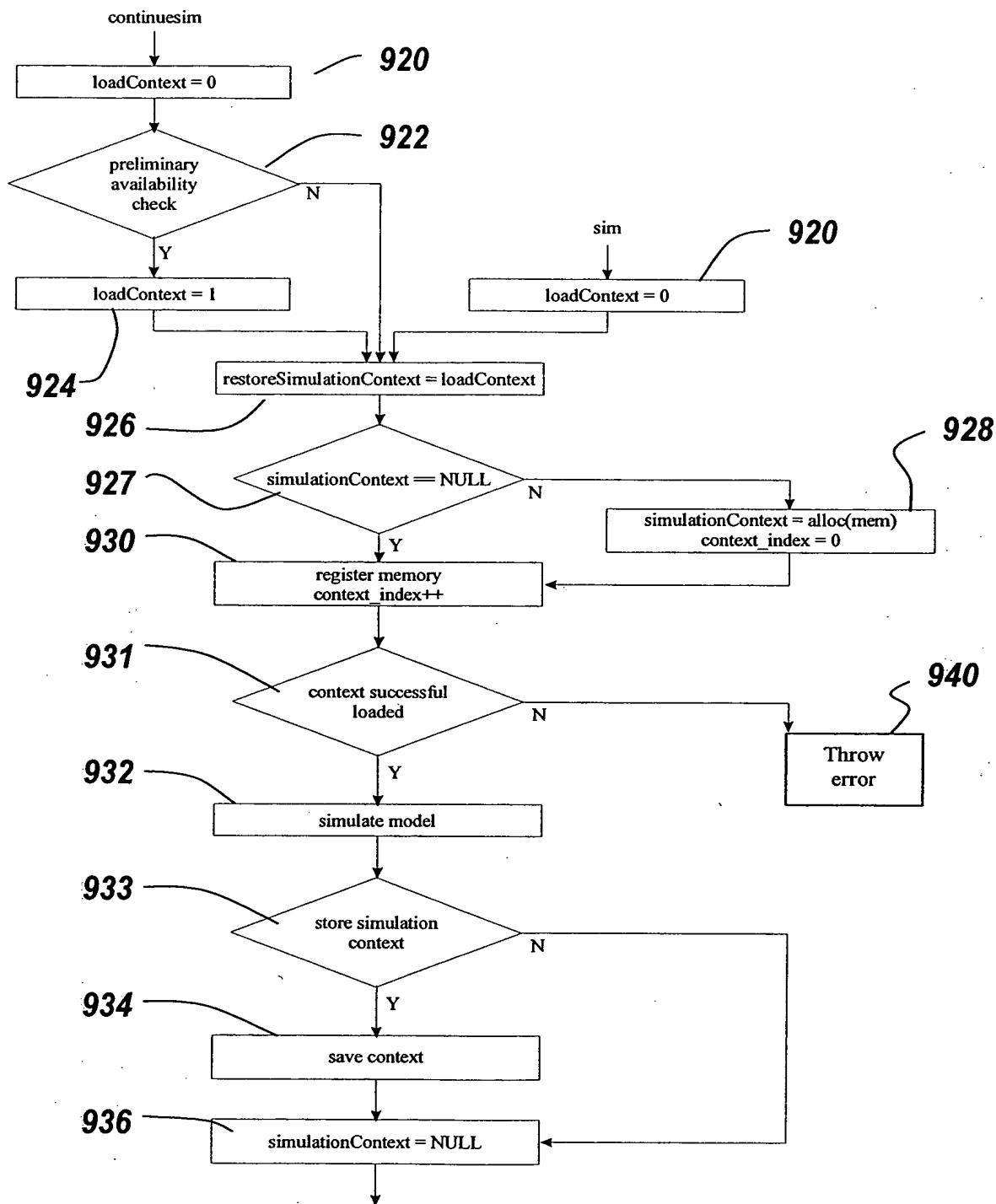


Fig. 9